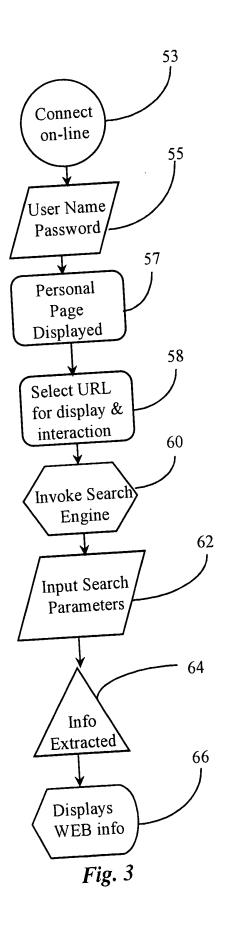
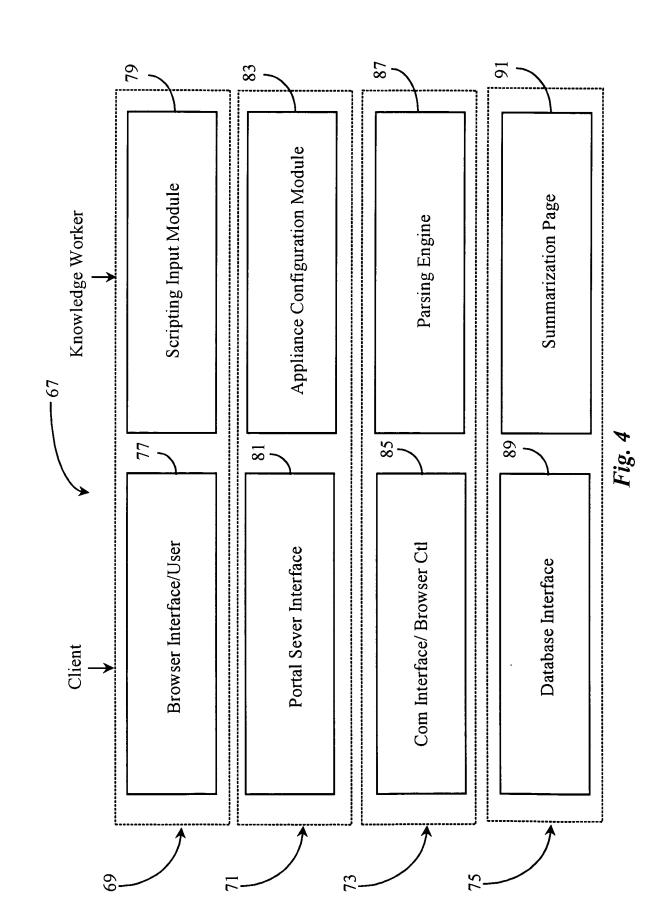
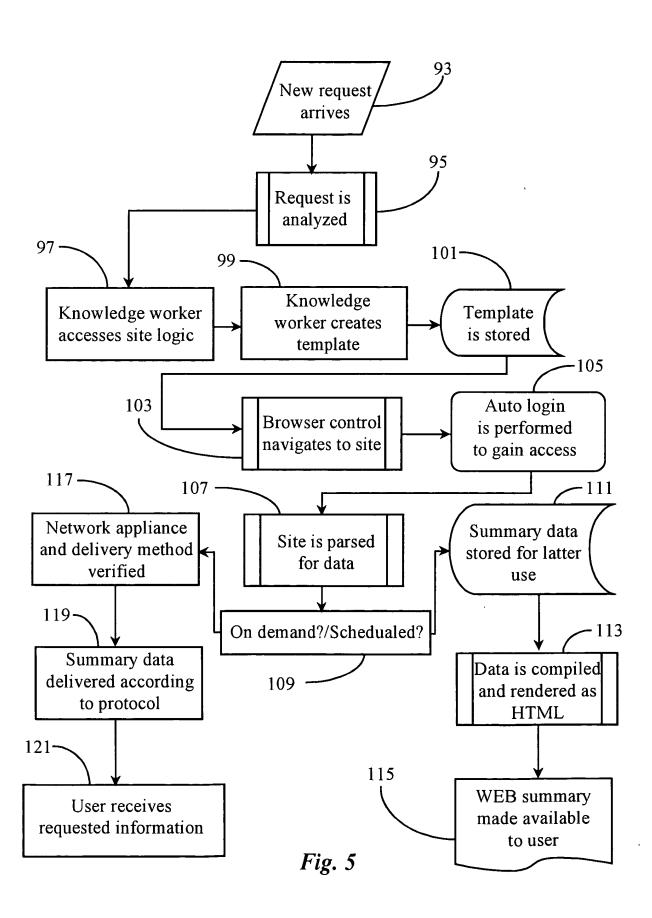
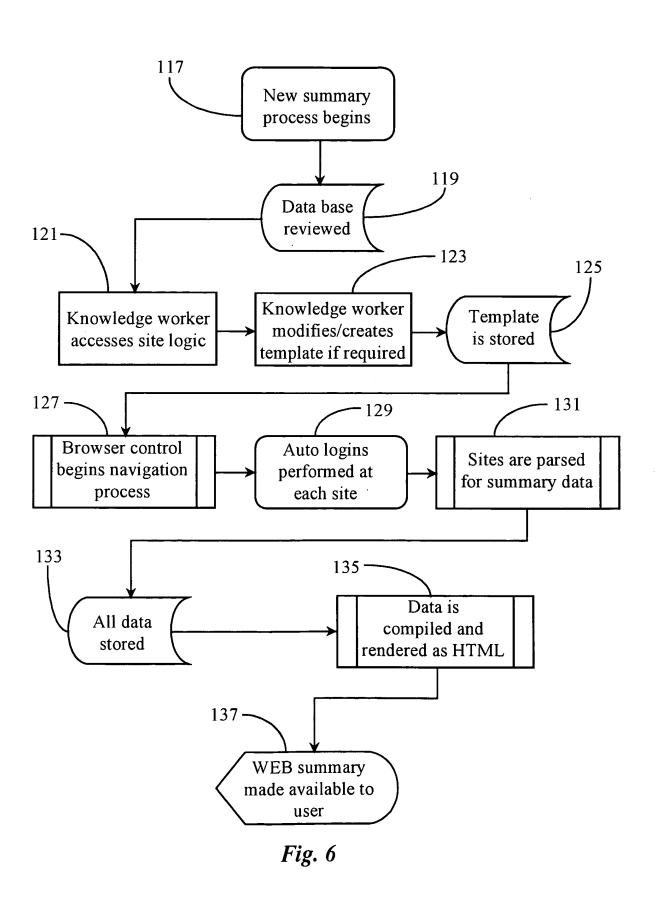


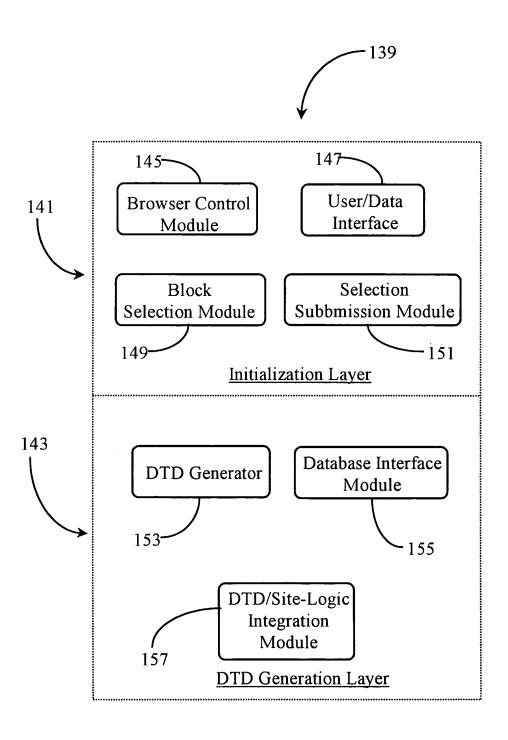
Fig. 2











*Fig.* 7

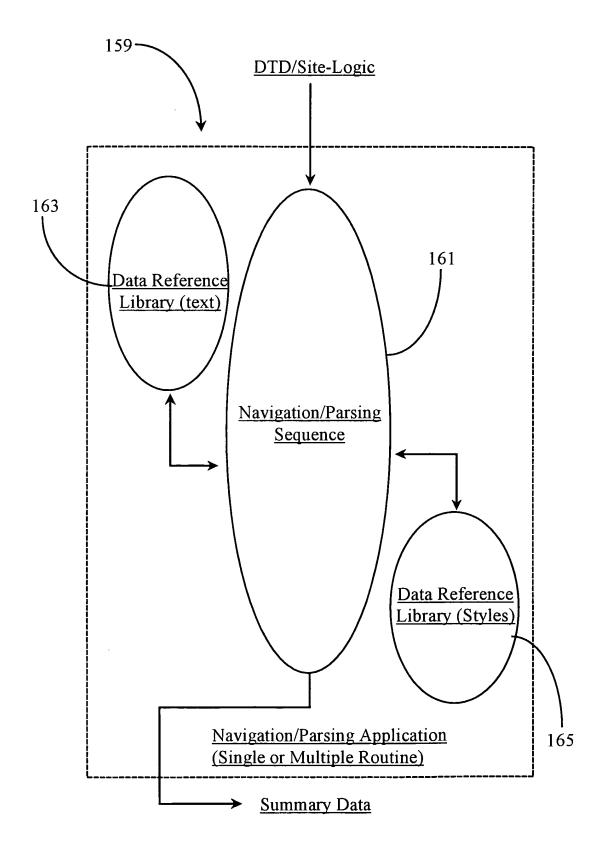
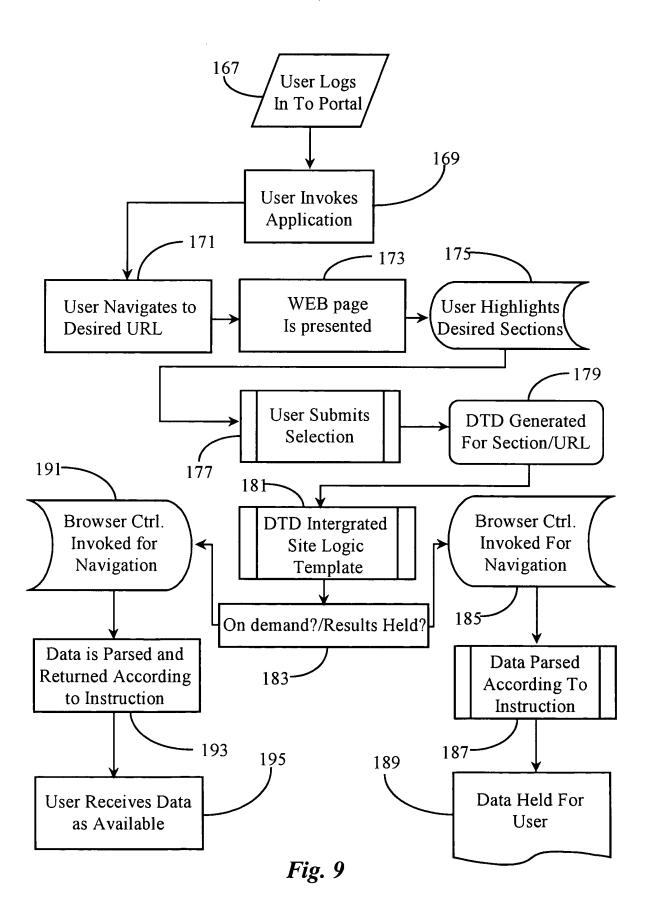


Fig. 8



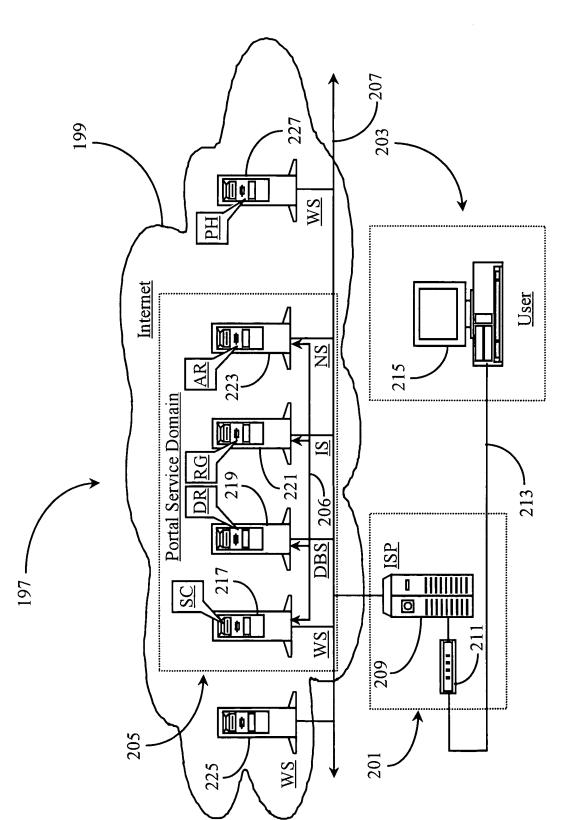


Fig. 10 (NetworkOverview)

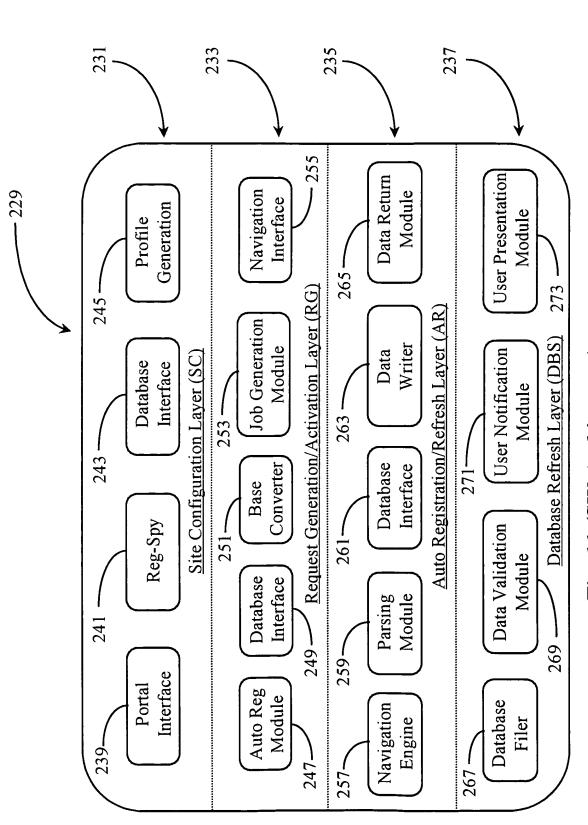
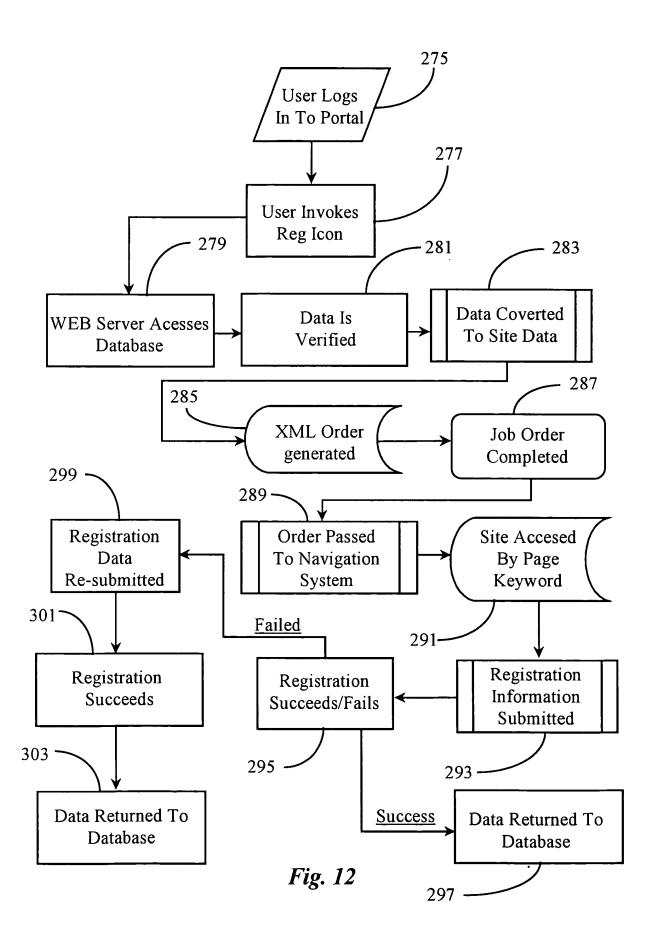
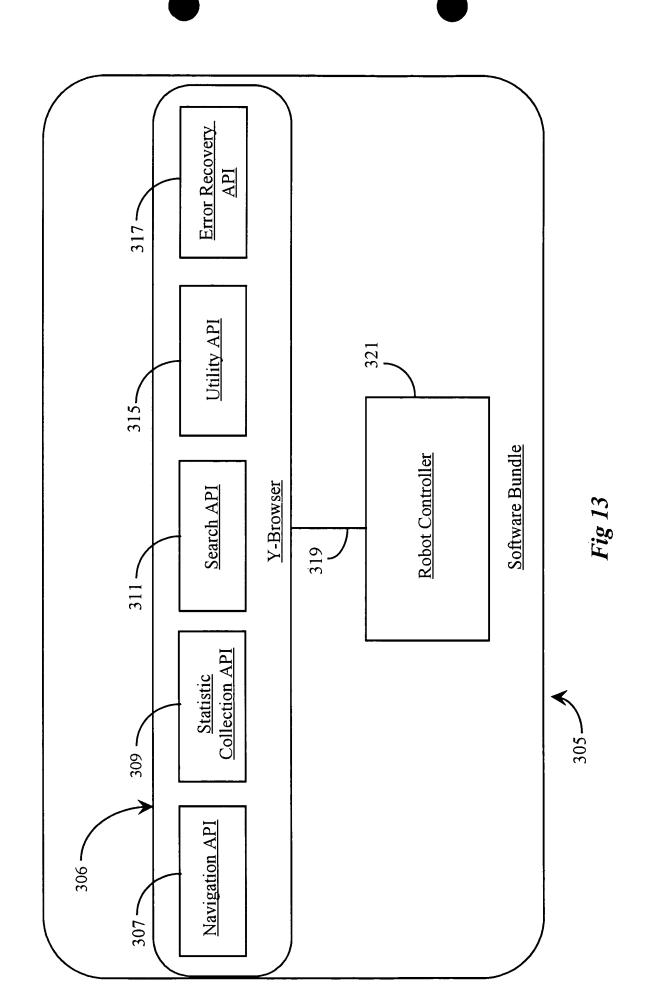
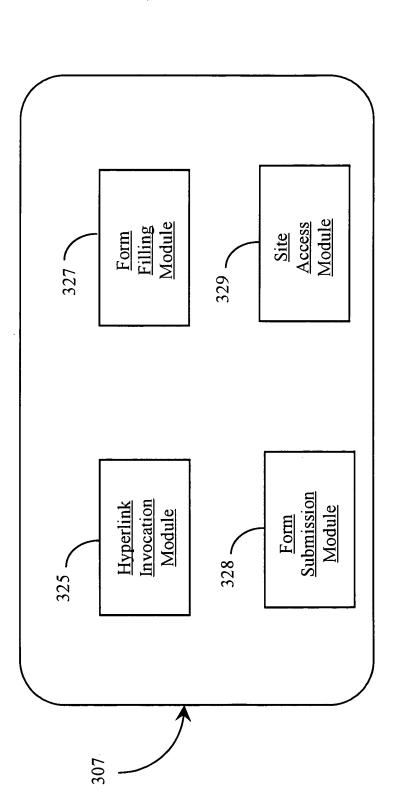


Fig. 11 (SW Architecture)

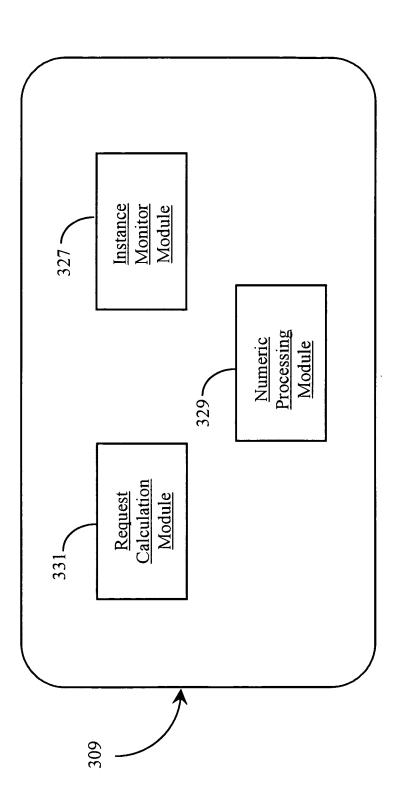






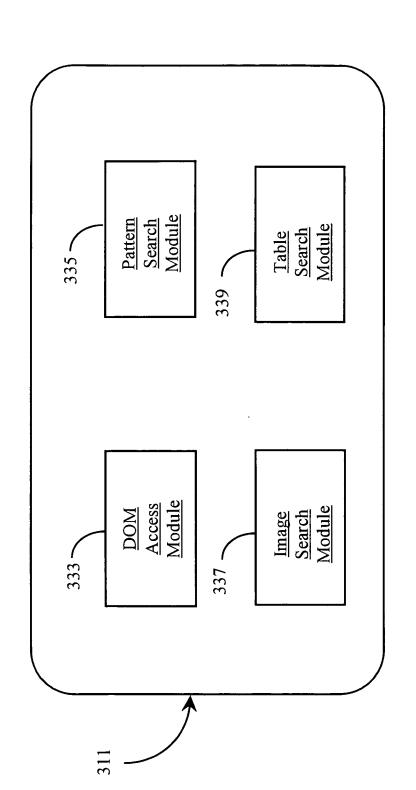
Navagation API

Fig. 14



Statistic Collection API

Fig. 15



Search API

Fig. 16

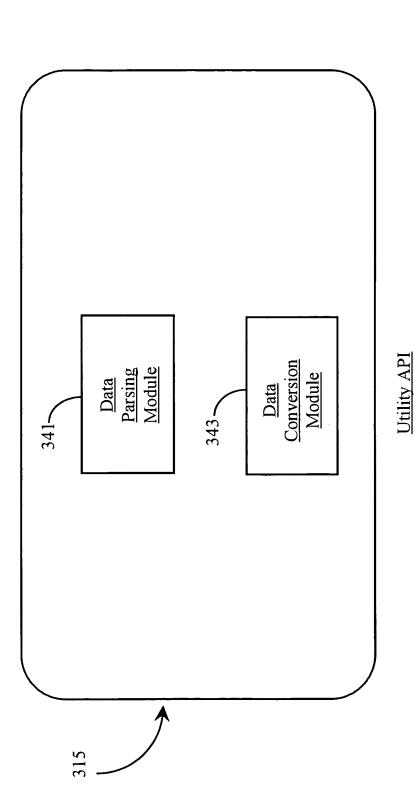
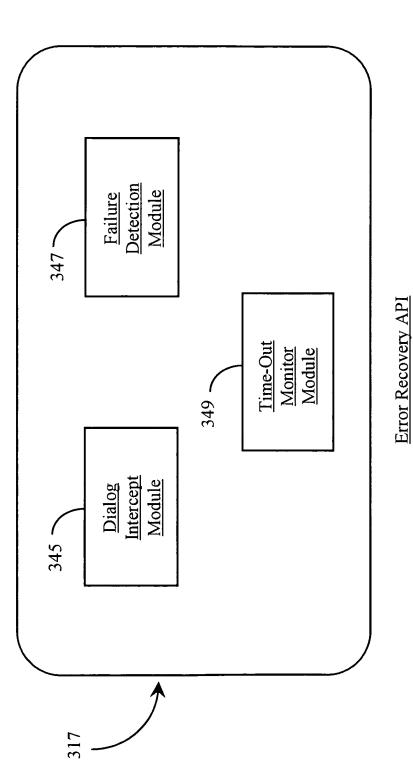
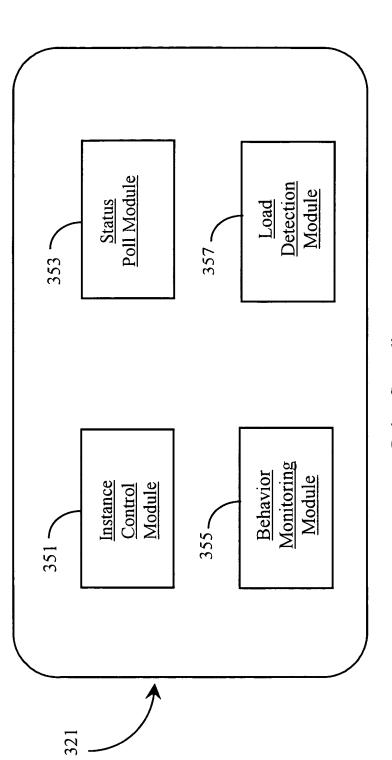


Fig. 17





Robot Controller

Fig. 19

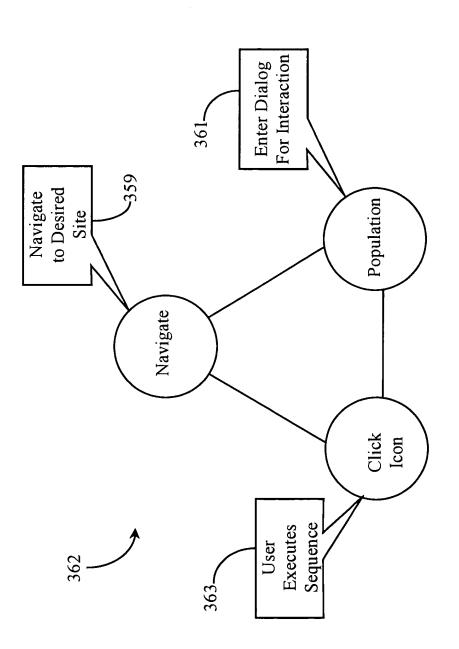
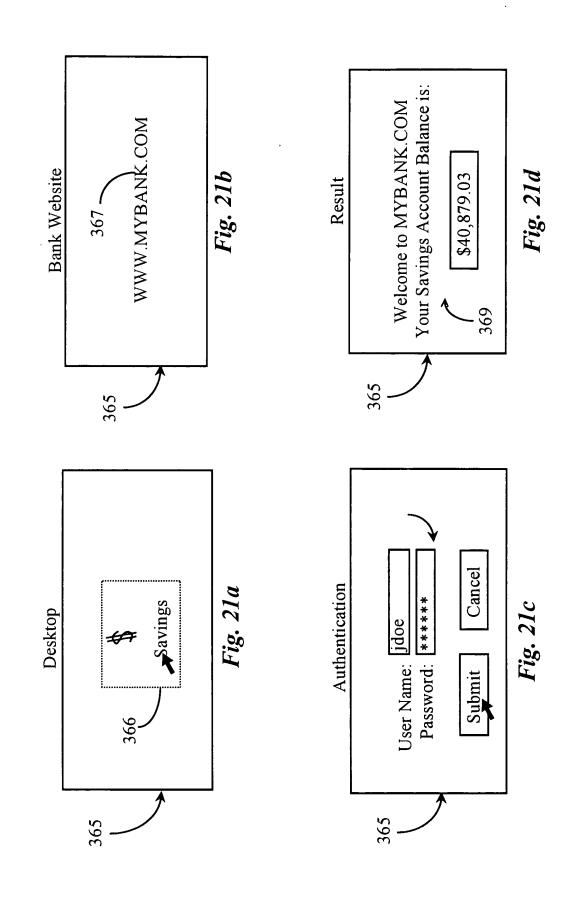


Fig. 20



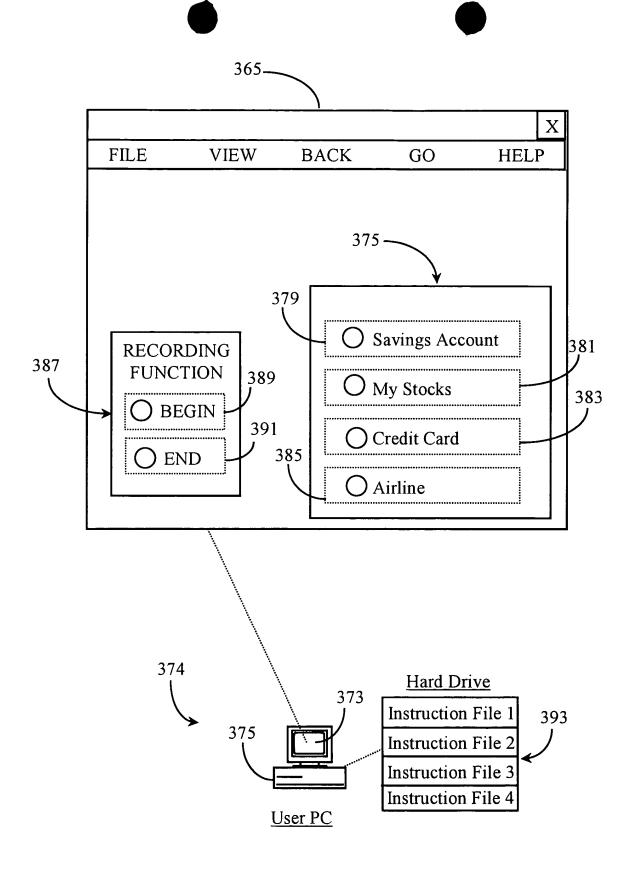


Fig. 22

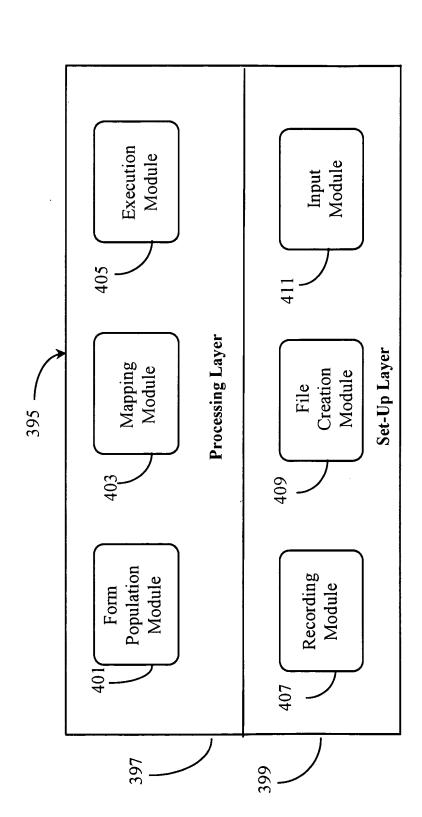


Fig. 23